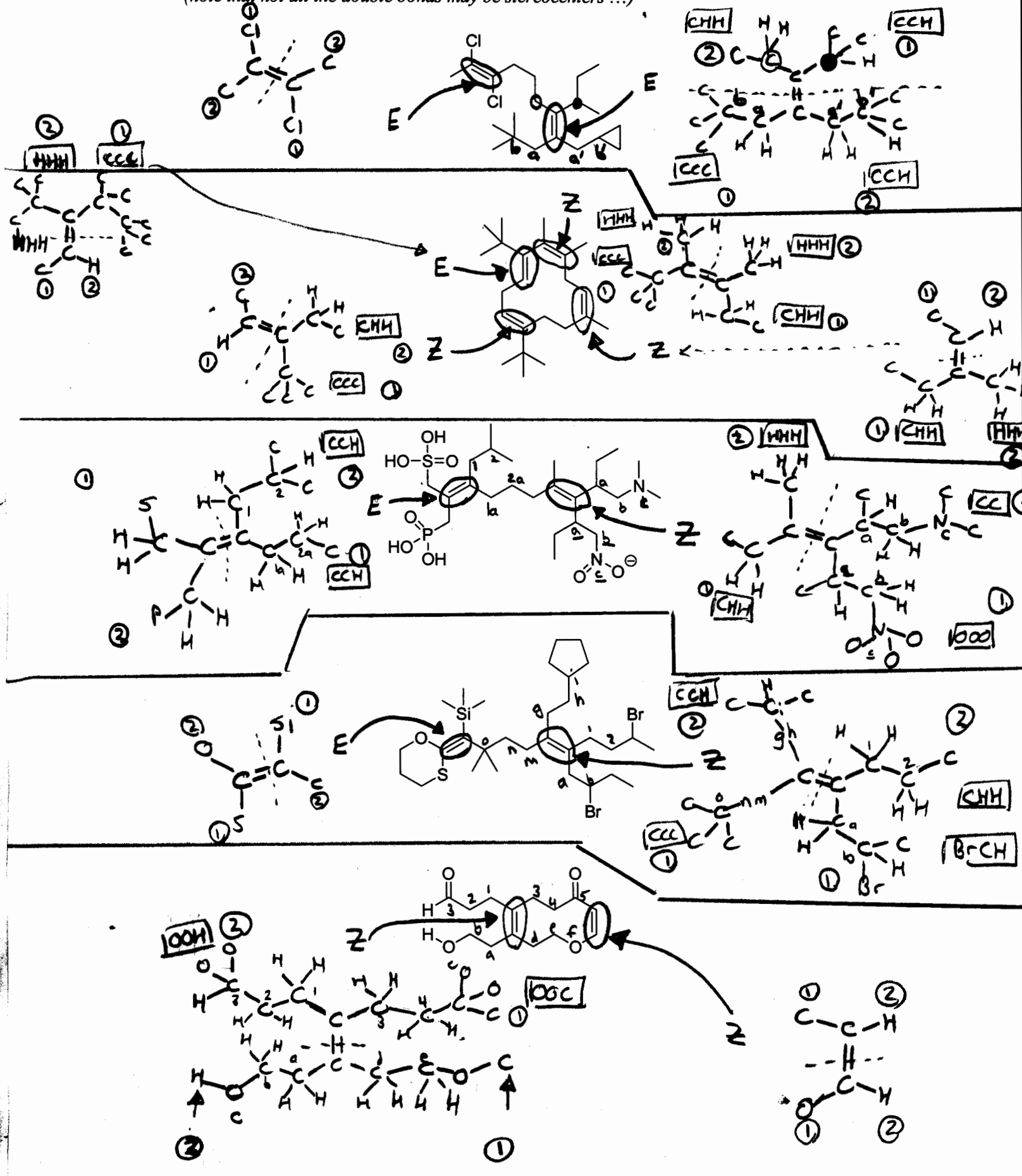
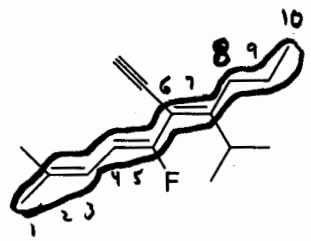
① split C=C in ½
② look at each C and assign 1/2 based on 1st pt of difference and atomic #
③ same side #1's = Z
opposite side #1's = E

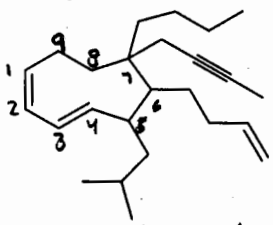
1. Assign E/Z stereochemistry to the stereocenters below.
(note that not all the double bonds may be stereocenters !!!)

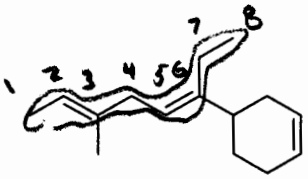


2. Provide a COMPLETE acceptable name for the following compounds, being sure to account for any stereochemistry shown.

1Z, 3E-6-(3-butenyl)-7-butyl-7-(2-butynyl)-5-isobutyl-1,3-cyclononadiene

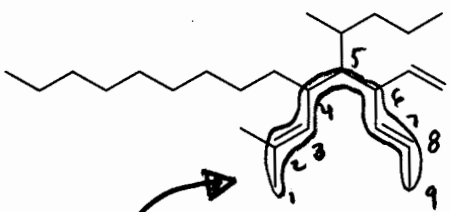


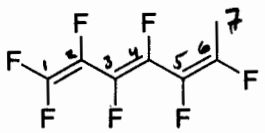




4Z, 6Z-
6-ethynyl-5-fluoro-7-isopropyl-2-methyl-2,4,6-decatriene

1E, 5E- 6-(3-cyclohexenyl)-3-methyl-2,5-octadiene





7E- 5-sec-butyl-2-methyl-4-nonyl-6-vinyl-2,7-nonadiene

3E, 5Z-1,1,2,3,4,5,6-heptafluoro-1,3,5-heptatriene